BeoCom 2400 is an advanced telephone in a modern and user-friendly design

The operation and the settings of the telephone are done by means of a menu operated dialogue

One of the many advanced functions is the built-in directory where you can store up to 121 telephone numbers with names attached and, of course, it is possible to add and delete telephone numbers/names in the directory As the telephone automatically asks if you wish to store the number that you have just used, it is easy to fill in the directory

BeoCom 2400 can be provided with a two buttons add-on module for infrared remote control of the volume function used in all recent Bang & Olufsen products

INSTALLATION ↓

INSTALLATION

BATTERIES

The three batteries supplied have to be inserted in the
compartment at the bottom of the table base The batteries
are used for the loudspeaking function and for programming
only, while the memory is independent of the batteries
Unplug the telephone wall cord before opening the battery
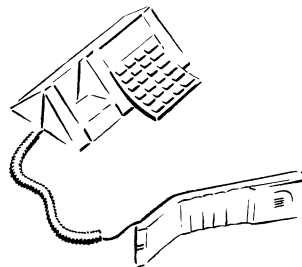cover

THE HANDSET

The telephone is provided with a magnetic switch which
disconnects the telephone line when the handset is placed in
the table base as indicated on the drawing
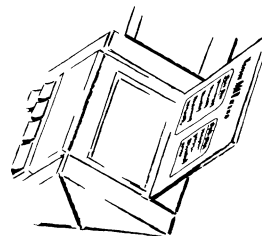Alternatively, press the ✆ button if a new dial tone is required
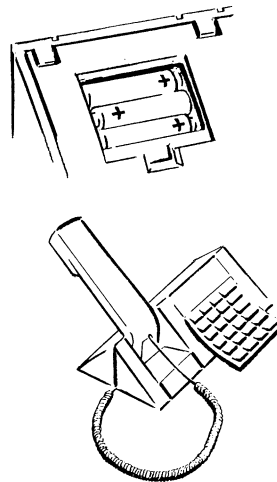
HANDSFREE

The telephone can be used handsfree Place the handset in
front of the table base and press ◁))

MENU OVERVIEW

A menu overview is placed under the lid at the rear of the
table base

MENU SURVEY

MAIN MENU	FUNCTION
1 STORE ENTRY	Storing a new name/number
2 EDIT ENTRY	Editing a stored name/number
3 DELETE ENTRY	Deleting a stored name/number
4 DELETE REDIAL	Deleting the telephone numbers in redial
5 RINGER ON/OFF	Disconnecting/connecting the tone ringer
6 RINGER LEVEL	Setting the tone ringer level
7 RINGER MELODY	Setting the tone ringer melody
8 PRESET VOLUME	Presetting the volume of the handset and loudspeaker
✱ SETUP MENU	

SETUP MENU	FUNCTION
CALL TIME	Connecting/disconnecting the talktime function
AUTO CURSOR	Moving the cursor automatically
MEMORY ACCESS	Searching access only to the directory
REDIAL KEY	Disconnecting/connecting the redial function
SWITCHBOARD	Storing the public line prefix
DIAL MODE	Dial mode setting
CONTRAST	Adjusting the display contrast

MENU SURVEY

KEYPAD FUNCTIONS ↓

KEYPAD FUNCTIONS

Clear
- Press **Clear** to delete the latest entry
- Press and hold **Clear** until the display is off to cancel the function in progress

‹ ›
- Shift between the menu settings
- Search in the directory
- Move the cursor when editing name/number in the directory
- Set the volume during a conversation

Menu
- Activate the menu dialogue

Enter
- Activate the menu setting/menu function
- Store name/number

Pause
- Insert pause between a telephone number and an extension number
- Insert space when editing name/number in the directory
- Search for a letter block of a name

Memory
- Directory

Redial
- Show the telephone numbers in redial
- Perform a call
- Release pause when performing a call

0   9, ✷, ♯

- Dial a phone number
- Enter a name Letters are selected by pressing the appropriate key one, two, three or four times

◁)

- Connect/disconnect the loudspeaker

↗

- Get a new dial tone when handset is lifted
- Disconnect current function and erases the display

Ⳑo

- Disconnecting/connecting the microphone

RINGER EQUIVALENT NUMBER

A PSTN Exchange Line has a maximum REN capacity of 4 When you add up the REN values of your telephones, etc they should not exceed 4 Your new telephone has a REN of 1 A BT provided telephone is assumed to have a REN of 1 unless otherwise marked If you exceed the REN capacity one or more of the ringers may not function correctly

Note Because of the range of ringing detector characteristics, a guarantee of successful operation in an installation of mixed types of ringing detectors cannot be given by any supplier

DISPLAY

Symbols

P	• Storing or editing a name/number in the directory
S	• Searching in the directory
⊲⑴	• Is on when the loudspeaker is connected
⏐o	• Flashes when the microphone is muted
⌂	• Is on during an incoming call • Flashes when the toneringer is disconnected
▯	• Flashes when the batteries are low

Please note! The display switches off when the telephone has not been used for 30 seconds

DISPLAY

THE TELEPHONE'S MEMORY (DIRECTORY)

BeoCom 2400 memorizes 121 telephone numbers and names Each name can have up to 16 characters and each number 48 digits

Phone numbers dialled can be stored in the directory as well as telephone numbers in redial

Entering names
- Repeated keystrokes switch between the characters on each key
- Two characters from one key Enter the first letter followed by > Enter the second letter
- Space Press **Pause**
- Delete Press **Clear**
- Cancel Press and hold **Clear** until the display is off
- An interrupted storing can be reestablished by pressing **Menu, 2, Enter**

STORING A DISPLAYED PHONE NUMBER

Enter the phone number *or*

Press   **Redial**   until the number is shown in the display

Press   **Enter**

Enter   the name

Press   **Enter**

Read the section SWITCHBOARD before
storing

If a dialled telephone number is not stored in
the directory it can be stored right after the
call when STORE ENTRY is shown in the
display

When there is no space in the directory
MEMORY FULL is shown in the display An
existing phone number has to be deleted
before a new number can be stored

THE TELEPHONE'S MEMORY (DIRECTORY)

STORING DURING A CALL

Press	**Menu**	MENU 1 : STORE ENTRY :
Press	**Enter**	FREE ENTRIES: 121 F
Enter	the phone number	ENTER NUMBER
Press	**Enter**	ENTER NAME F
Enter	the name	: number :
Press	**Enter**	STORED : name : : number : S

STORING RIGHT AFTER A CALL

The display shows		STORE ENTRY? : number :
Press	**Enter**	ENTER NAME F
Enter	the name	: number :
Press	**Enter**	STORED : name : : number :

SEARCHING IN THE DIRECTORY – MAKING A CALL

Names and phone numbers in the directory
are arranged as follows
- Storings without names
- Names starting with & - /
- Names starting with digits
- Names arranged alphabetically (Ä Ö U Æ Ø
  Å in the end)

If a phone number exceeds 16 characters only
the first 15 characters are shown The symbol
〉 is shown at last

SEARCHING IN THE DIRECTORY WITH HANDSET ON-HOOK

Press 〉 to search forward
Press 〈 to search backward

SEARCHING ON INITIAL LETTER

Press **Memory**

Press the first letter of
the name
The first name with the dialled initial
letter is shown in the display

Press 〉 Search forward until the name/number is
shown

Press a new initial letter, if
necessary

By searching on more letters (a letter block) the entered letters just have to be contained in the name

SEARCHING ON MORE LETTERS

Press	**Memory**
Press	the first letter
Press	**Pause**
Press	the second letter
Press	**Pause**
Press	the third letter

ENTER LETTER

– maximum four letters of a name can be entered

Press	⟩	Search forward until the name/number is shown

DIALLING A DISPLAYED PHONE NUMBER

Lift	the handset, *or* press 🔊
Press	**Redial**

SEARCHING IN THE DIRECTORY – MAKING A CALL

EDITING

A name/number in the directory can be
edited by
- adding a character
- writing over a character
- deleting a character with **Clear**
- inserting a space with **Pause**

Deleting entries
Press and hold **Clear** until the display is off

EDITING A NAME/NUMBER IN THE DIRECTORY
Search forward until the name/number is shown.

| Press | **Menu, 2** | MENU 2 |
| | | : EDIT ENTRY : |

Press   **Enter**
Move the cursor with < > to the place you want to edit
Edit the name/number

| Press | **Enter** | STORED |
| | | : name > : : number : S |

DELETING

DELETING A NAME/NUMBER IN THE DIRECTORY

Search forward to the name/number to delete

Press **Menu, 3**

MENU 3
: DELETE ENTRY :

Press **Enter**

DELETE ENTRY?
: name : : number :

Regret deleting
Press **Clear**

Press **Enter**

DELETED
: name : : number :

The subsequent name/number in the directory is shown

REDIALLING

REDIALLING THE LAST NUMBER DIALLED
With handset off-hook and the display off
Press   **Redial**

BeoCom 2400 memorizes the last 9 phone
numbers dialled Each number can have up to
48 characters

DIALLING A NUMBER FROM REDIAL
With handset on-hook
Press   **Redial**   until the number required is shown in
the display

Lift   the handset, *or* press ◁)
Press   **Redial**

Please note! Deleting numbers in redial will result in all phone numbers in redial being deleted

DELETING THE NUMBERS IN REDIAL

Press **Menu, 4**

Press **Enter**

Press **Enter**

As a safety precaution while using a telephone service the digits pressed after ✳ and ♯ are not stored in redial

REDIALLING

USING THE PAUSE BUTTON

If, when making a call, it is necessary to wait for a new dial tone before dialling the 2nd part of the number a pause must be inserted

The pause must be inserted by manual calls as well as by entering numbers into the directory

A new dial tone may occur by e g foreign numbers, telephone services and numbers followed by an extension number

STORING WITH ONE PAUSE

Press	**Menu**	MENU 1 : STORE ENTRY :
Press	**Enter**	FREE ENTRIES: 121 F
Enter	1st part of the phone number	ENTER NUMBER_
Press	**Pause**	
Enter	2nd part of the phone number	
Press	**Enter**	ENTER NAME F
Enter	the name	: number :
Press	**Enter**	STORED : name > : : number : t

DIALLING WITH STORED PAUSE

Get a phone number from the directory or redial

Press	**Redial**
	(1st part of the phone number is transmitted)
Wait	for the dial tone
Press	**Redial**
	(2nd part of the phone number is transmitted)

If two or more pauses are stored, the
extension number is transmitted automatically

Press **Pause** twice and you obtain a one
second's pause Each additional press on **Pause**
adds a one second's pause The duration of
the pause must correspond to the delay from
the phone number is transmitted until you
obtain a new dial tone However, this delay
may vary from call to call

Display with one pause

Display with two pauses

TONE RINGER

The tone ringer can be disconnected either temporarily (TEMPORARY OFF) or continuously (OFF)

When the tone ringer is disconnected a flashing 🔔 is shown in the display

DISCONNECTING/CONNECTING THE TONE RINGER

Press	**Menu, 5**	MENU 5
		: RINGER ON OFF :
Press	**Enter**	RINGER ON OFF
		: ON :
Press	**< >**	to select the setting to your choice
Press	**Enter**	TEMP O
		OFF

If the tone ringer is disconnected reconnection is done by lifting the handset and placing it in the table base again

The tone ringer has four levels
- INCREASING
- LOW
- MEDIUM
- LOUD

While setting the levels are audible when 🔊 is pressed

SETTING THE TONE RINGER LEVEL

Press	Menu, 6	MENU 6 ‹ RINGER LEVEL ›
Press	Enter	RINGER LEVEL : LOUD ›
Press	‹ ›	to select the setting to your choice
Press	Enter	STORED MEDIUM

The tone ringer has four quick and four slow melodies
- SLOW
- FAST

Setting the tones, pressing the 🔊 enables the tones to be heard

SETTING THE TONE RINGER MELODY

Press	Menu, 7	MENU 7 : RINGER MELODY :
Press	Enter	RINGER MELODY : SLOW 1 :
Press	‹ ›	to select the setting to your choice
Press	Enter	STORED FAST 2

TONE RINGER

VOLUME

SETTING THE VOLUME

| Press | > | to increase the volume |
| Press | < | to decrease the volume |

The telephone can be preset to start all calls at the same volume

PRESETTING THE VOLUME

Press **Menu, 8**

MENU 8
: PRESET VOLUME :

Press **Enter**

PRESET VOLUME
:   OFF   :

Press **>**

until ON is shown in the display

Press **Enter**

PRESET VOLUME
:   ====■====   >

Press **< >**

to select the volume to your choice

Press **Enter**

STORED
        ====■==
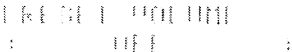
MICROPHONE

The microphone can be muted temporarily so that you can make an aside to somebody else in the room without the person at the other end hearing you

A beep signal indicates that the microphone is muted

DISCONNECTHIG THE MICROPHONE
Press   🎤   🎤 flashes

CONNECTING THE MICROPHONE
Press   🎤

LOUDSPEAKER

Other people can listen to the conversation with the loudspeaker connected

CONNECTING THE LOUDSPEAKER
Press   🔊   🔊 is on

DISCONNECTING THE LOUDSPEAKER
Press   🔊

SETUP MENU

Access to the setup menu

Press **Menu, ✳**

```
MENU ✳
:  SETUP MENU    :
```

Press **Enter**

```
SETUP MENU
:  CALL TIME    :
```

In the setup menu the following functions are now available

CONNECTING/DISCONNECTING THE TALKTIME FUNCTION

The duration of a call is displayed in minutes and seconds

Press **❭**

until CALL TIME is shown in the display

This function is not connected from the factory

Press **Enter**

```
CALL TIME
<     OFF        >
```

Press **❬ ❭**

to select the setting to your choice

Press **Enter**

```
STORED
          ON
```

MOVING THE CURSOR AUTOMATICALLY

By entering letters the cursor can move automatically after 1 5 secs By this you omit to press > to get more letters from one key
- Manual moving (NO)
- Automatic moving (YES)

Press	>	until AUTO CURSOR is shown in the display
Press	**Enter**	AUTO CURSOR : NO :
Press	< >	to select the setting to your choice
Press	**Enter**	STORED YES

RESTRICTED ACCESS TO THE DIRECTORY

Access to the directory can be restricted to searching only
- Complete access (NORMAL)
- Access for searching only (SEARCH ONLY)

Press	>	until MEMORY ACCESS is shown in the display
Press	**Enter**	MEMORY ACCESS : NORMAL :
Press	< >	to select the setting to your choice
Press	**Enter**	STORED SEARCH ONLY

SETUP MENU

SETUP MENU

DISCONNECTING/CONNECTING THE REDIAL FUNCTION

Please note! Disconnecting the redial function will result in all phone numbers in redial being deleted	Press	〉	until REDIAL KEY is shown in the display
	Press	**Enter**	REDIAL KEY : NORMAL :
	Press	〈 〉	to select the setting to your choice
	Press	**Enter**	STORED OFF

DIAL MODE SETTING

The dial mode can be set to TONE or PULSE and can be combined with the **R**-key function FLASH or EARTH The correct setting depends on the type of telephone line	Press	〉	until DIAL MODE is shown in the display
	Press	**Enter**	DIAL MODE : TONE FLASH :
	Press	〈 〉	to select the setting to your choice
	Press	**Enter**	STORED PULSE EARTH

ADJUSTING THE DISPLAY CONTRAST

Press	>	until CONTRAST is shown in the display
Press	**Enter**	CONTRAST
Press	< >	to select the setting to your choice
Press	**Enter**	STORED

SWITCHBOARD

If BeoCom 2400 is connected to a
switchboard it is often necessary to enter a
pause between the public line prefix and the
telephone number

BeoCom 2400 inserts this pause automatically
when it is once stored into the telephone
together with the public line prefix

STORING THE PREFIX

Enter	setup menu	
Press	〉	until SWITCHBOARD is shown in the display
Press	**Enter**	`SWITCHBOARD` `:        NO        :`
Press	〈 〉	until YES is shown in the display
Press	**Enter**	`SWITCHBOARD` `CODE:`
Press	the prefix	
Press	**Enter**	`PAUSE` `:        WAIT        :`
Press	〈 〉	to select the pause required *)
Press	**Enter**	`STORED` `  SWITCHBOARD`
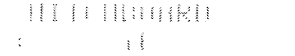
*) The pause between the prefix and the
telephone number can be set from one
to twelve seconds or you can enter a
stop (WAIT)

DELETING THE STORED PREFIX

Enter	setup menu	
Press	>	until SWITCHBOARD is shown in the display
Press	**Enter**	
Press	< >	until NO is shown in the display
Press	**Enter**	

If the **R**-button is used for recalls subsequent key entries will not be stored for redialling

TROUBLE SHOOTING

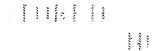| Symptoms	Possible cause	Correction
The display shows a flashing ▯	The batteries are low	Insert new batteries
The tone ringer does not work	The tone ringer is disconnected	Connect the tone ringer
Redialling impossible	• Redial disconnected • The prefix is not stored (switchboard) • A pause between 1st part of the phone number and 2nd part of the phone number has not been stored	• Connect redial • See SWITCHBOARD • See USING THE PAUSE BUTTON
Storing and editing name/numbers in the directory does not work	The access to the directory is set to SEARCH ONLY	Set the access to NORMAL

TECHNICAL INFORMATION

LOCATION
Do not place the telephone in a dusty or dirty room Do not expose the telephone to excessive moisture

CLEANING
Use a soft cloth dipped in water containing a few drops of mild detergent

DATA

Power supply		from the telephone network
REN factor		1
Batteries		3 x 1 5 V, type AAA
Ambient temperature	the telephone	−25°C to +55°C
	the display	0°C to +55°C
Relative humidity		15% to 95%
Dimensions	height	175 mm
	width	195 mm
	depth	165 mm
Weight of handset		115 g
Total weight		600 g

Your BeoCom 2400 may only be connected to the following installations
a   Direct Exchange Lines (D E L s) with either loop disconnect or multifrequency signalling facilities, i e a line connected directly to a telephone exchange with its own exchange number
b   Extensions via all sockets provided for D E L s
c   Extensions of Approved PABXs including PABXs which return secondary proceed indication

This telephone must not be connected
a   to a shared service line (party line)
b   as an extension to a payphone
c   to a 1 + 1 carrier system

It is not possible to guarantee correct operation under all possible conditions on all compatible PBXs If difficulty is experienced contact your telephone supplier for advice

BeoCom 2400 has been approved for the use of the following facilities
    Simple Telephone
    Loudspeaking – Call Progress Monitor
    Loop Disconnect Signalling
    Multi Frequency Signalling
    PBX earth register recall
    PBX timed break register recall
    Automatic Dialling
    Automatic storage of Last Number Dialled
    Storage of telephone numbers for retrieval by a pre-determined code

Any other usage will invalidate the approval of the apparatus if as a result it then ceases to conform to the standards against which approval was granted

Dialling Emergency Services
This telephone can be used to make a call to the B T Emergency (999) Services
To make a call obtain the PSTN dial tone and dial 999

Dear Customer,
Your needs as the user of our products are always given careful consideration
during the design and development process, and we strive to make our
products easy and comfortable to operate

We therefore hope that you will take time to drop us a line, telling us about your
experiences with your Bang & Olufsen telephone Anyting which you consider
important - positive or negative - may help us in our constant efforts to refine
our telephones

Please write to   Bang & Olufsen Telecom A/S
                         Customer's Support
                         Kjeldsmarkvej 1
                         DK-7600 Struer

or fax to   Bang & Olufsen Telecom A/S
                         Customer's Support
                         +45 96 844401

or send an e-mail to   telecom@bang-olufsen dk

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